

APR 21 2005

**IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE**

In re Application of: Thompson, et al.  
Serial No.: 10/089,220  
PCT Appl. Filed: September 29, 2000  
Title: TRANSVERSE SHEAR MODE PIEZOELECTRIC CHEMICAL  
SENSOR  
Group: 1637  
Examiner: Panaro, Nicholas J.  
Attorney Ref.: PAT 457W-2  
Confirmation No.: 2976

April 21, 2005

**Mail Stop AMENDMENT**  
Commissioner for Patents  
U.S. Patent and Trademark Office  
220 20<sup>th</sup> Street S.  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington VA 22202  
U.S.A.

Dear Sir:

**AMENDMENT**

In response to the Office Action dated **December 3, 2004**, please amend the above-identified application as follows:

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks/Arguments** begin on page 4 of this paper.